

**NOTES OF MEETING**

**Meeting Date/ Time** : 18 June 2015, 7:00pm – 7:45pm

**Place** : Activity Room No. 2, G/F, Hong Kong Central Library  
66 Causeway Road, Causeway Bay, Hong Kong

**Project** : Central – Wan Chai Bypass and Island Eastern Corridor Link

- Tunnel (Causeway Bay Typhoon Shelter Section)  
(Contract No. HY/2009/15)
- Tunnel (Slip Road 8 Section)  
(Contract No. HY/2010/08)
- Tunnel Buildings, Systems and Fittings, and Works  
Associated with Tunnel Commissioning  
(Contract No. HY/2011/08)

**Subject** : Community Liaison Group (CLG) for Causeway Bay District

**Distribution** : Dr. Jennifer Chow's Office, Hong Kong & Kowloon Motor Boats and Tug Boats Association Limited (MBTBA), Hong Kong Pilot Association Ltd. (HKPA), Causeway Bay Typhoon Shelter Mutual Aid Committee (CBTS-MAC), Hong Kong Off-Shore Fishermen's Association (HKOFA), China State Construction Engineering (HK) Limited (CSHK), Leighton Joint Venture (LJV), Environmental Team (ET), Independent Environmental Checker (IEC), Highways Department (HyD) and AECOM Asia Co. Ltd. (AECOM)

**Present:**

Mr. LEUNG Pak Chuen, Engineer } Central – Wan Chai Bypass,  
Mr. YU Wai Ho, Project Coordinator } HyD

Ms. Lydia LEE, SRE } AECOM  
Mr. Eric WONG, SRE }  
Mr. Freddie CHAN, SRE }  
Mr. Terry SIU, SRE }  
Ms. Remmy CHU, RE }  
Ms. Christy CHUNG, RE }  
Ms. Loucia LO, ARE }

Ms. Wendy CHOW, SPRO } CWB Public Relations Team  
Ms. Teresa MOK, SPRO }  
Ms. Michelle CHOW, PRO }

Mr. Raymond DAI, } Lam Geotechnics Ltd. (ET)  
Environmental Team Leader

Mr. David YEUNG, } Ramboll Environ Hong Kong  
Independent Environmental Checker Ltd. (IEC)

Mr. Andrew WONG, Contractor's Representative	} CSHK
Dr. Dave CHAN, Site Agent	}
Mr. Ken FAN, Project Manager (E&M)	} Leighton Joint Venture (LJV)
Mr. Hilary POON, Construction Manager	}
Mr. Malcolm LEUNG, Environmental Officer	}
Ms. Penny YIU, Assistant Environmental Engineer	}

Representatives from relevant stakeholders

Dr. Jennifer CHOW	} Eastern District Council
Mr. WONG Yiu Wing	} MBTBA
Mr. LAM Yan Chit	} HKPA
Mr. POON Mr. LEUNG	} CBTS-MAC }
Ms. HO	} HKOFA

In attendance

Mr. Kelvin WU	} MTR Corporation Ltd.
Mr. William CHAN	}
Ms. Shirley MAK	}
Ms. Doris LAI	}

<b><u>NO.</u></b>	<b><u>ITEM</u></b>	<b><u>ACTION</u></b>
<b>1</b>	<b>Introduction</b>	
1.1	AECOM welcomed members and introduced the speakers and the agenda of the meeting.	Noted
<b>2</b>	<b>Confirmation of Last Meeting Minutes</b>	
2.1	AECOM stated that there was no amendment to the minutes of the last meeting and it was confirmed as a true record.	Noted
<b>3</b>	<b>Project Overview</b>	
	AECOM recapitulated the works progress of Contract No. HY/2009/15 - Tunnel (Causeway Bay Typhoon Shelter Section), Contract No. HY/2010/08 - Tunnel (Slip Road 8 Section) and Contract No. HY/2011/08 - Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning.	Noted

- 3.1 HY/2009/15 - Tunnel (Causeway Bay Typhoon Shelter Section) Noted
- 3.1.1 Construction activities carried out in the past six months under the Contract included:
- a. Removal of temporary reclamation works, including cutting and removal of diaphragm walls under water, removal of temporary reclamation area and seabed reinstatement as well as reprovisioning of jetty for Royal Hong Kong Yacht Club (RHKYC) near western end of Causeway Bay Typhoon Shelter (CBTS).
  - b. Commencement of temporary reclamation works including construction of temporary reclamation area, construction of diaphragm walls, excavation and installation of excavation lateral support at the ex-Wan Chai Public Cargo Working Area (ex-PCWA).
- 3.1.2 Construction activities anticipated in the coming six months would include:
- a. Tunnel construction works, including excavation, installation of excavation lateral support and construction of tunnel structure at the ex-PCWA.
- 3.2 HY/2010/08 - Tunnel (Slip Road 8 Section) Noted
- 3.2.1 Construction activities carried out in the past six months under the Contract included:
- a. Commencement of final phase of temporary reclamation at CBTS opposite to Victoria Park Road, including removal of marine sediment, temporary reclamation and construction of diaphragm walls.
  - b. Tunnel construction works at Victoria Park Road and in the northern section of Victoria Park including construction of Slip Road 8 approach structure, installation of temporary sheet piles and pipe piles, excavation and installation of lateral supports, and reprovisioning of Bowling Green Office.
- 3.2.2 Construction activities anticipated in the coming six months would include:
- a. Tunnel construction works within temporary reclamation at CBTS opposite to Victoria Park Road, including construction of diaphragm walls, excavation and installation of lateral supports and construction of tunnel box structure.
  - b. Tunnel construction works at Victoria Park Road and the

northern section of Victoria Park including construction of tunnel structure of Slip Road 8, installation of temporary sheet piles and pipe piles, excavation and installation of lateral supports, and reprovisioning of Bowling Green (West) and Pavilion.

3.3 HY/2011/08 - Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning Noted

3.3.1 Activities carried out in the past six months under the Contract included:

- a. Detailed designs for tunnel systems including air purification system, systems and fittings for tunnel and tunnel buildings and traffic control and surveillance system.
- b. Construction of East Vent Shaft.

3.3.2 Activities anticipated in the coming six months would include:

- a. Detailed designs, manufacturing and conducting Factory Acceptance Test for tunnel systems.
- b. Construction of East Vent Shaft.
- c. Installation of brackets for tunnel cladding works and tunnel electrical and mechanical works.
- d. Commencement of construction of East Ventilation Building.

**4 Temporary Traffic Arrangements (TTA)**

4.1 Current Temporary Traffic Arrangements (TTA) Noted

To facilitate the construction works under Tunnel (Slip Road 8 Section) Contract (Contract No.: HY/2010/08), a section of Island Eastern Corridor / Victoria Park Road westbound was temporarily shifted southwards from 8 February 2015, while a section of Island Eastern Corridor / Victoria Park Road eastbound was temporarily shifted northwards from 19 April 2015.

AECOM stated that the number of traffic lanes at Victoria Park Road and Island Eastern Corridor remained unchanged during the implementation of TTA. The concerned TTA had been discussed in the Traffic Management Liaison Group (TMLG) meetings, approved by TMLG members including Transport Department and Hong Kong Police Force and endorsed for implementation.

Before implementation of TTA's, announcements were made to

road users through different channels and the project team would closely monitor the situation upon implementation, and assess the need for any improvement where considered necessary.

## **5 Site Environmental Issues**

- 5.1 ET briefed members on the locations of the environmental monitoring stations and the methods of auditing the construction noise level, the water quality and the air quality. ET also reported the environmental monitoring data recorded over the past six months. Noted
- 5.2 ET stated that the monitoring results were generally satisfactory. No exceedance was recorded for both the air quality and the noise level. For the water quality, one turbidity exceedance was recorded. It was considered to be related to natural variations or changes of water quality in the vicinity of the monitoring stations. Noted
- 5.3 ET explained that all the construction activities under environmental permit No. FEP-01/416/2011 (EP-416/2011) were completed by the HyD's contractor and termination of the environmental monitoring and audit (EM&A) works with respect to that environmental permit would be proposed to the Environmental Protection Department. The other EM&A programmes under the project will remain unchanged. No particular concern from the stakeholders was raised. Noted
- 5.4 AECOM summarised the environmental mitigation measures adopted during the course of works to the members. Noted
- a. Deploy silt curtains and silt screens to minimize impact on water quality during marine works. Maintain sufficient stock of spare silt curtains and impermeable barriers for contingency use.
  - b. Operate sewage treatment and disposal facility to ensure the discharge meeting the discharge standard.
  - c. Install automatic wheel washing equipment on-site.
  - d. Cover exposed soil surface and spray water on-site regularly to suppress dust emission.
  - e. Install nozzles to create blanket-like fine mist at tunnel portals to control dust emission.
  - f. Shelter cement batching station on top and three sides for cement batching and mixing.
  - g. Arrange waste separation facilities on-site for recycling purpose.

- h. Adopt environmentally friendly materials and equipments such as solar energy.
- i. Use Forest Stewardship Council (FSC) managed forest timber.
- j. Comply with Construction Noise Permits (CNP) for works during restricted hours.
- k. Erect acoustic enclosures, barriers and mat to reduce the noise impact.
- l. Provision of acoustic mat next to Bowling Green Area.
- m. Use of Quality Powered Mechanical Equipment (QPME).
- n. Use Euro 5 truck for concrete delivery.
- o. Use Ultra Low Sulphur Diesel.
- p. Clean up the deposited sediment under the weigh bridge.
- q. Deploy dump trucks with mechanical covers for transportation of construction and demolition waste.
- r. Reduce number of plant at night time as far as possible.
- s. Use of non-percussive type equipment for demolition and crushing of concrete.

5.5 AECOM reported that the contractor of Tunnel (Causeway Bay Typhoon Shelter Section) Contract (Contract No.: HY/2009/15) received a Certificate of Merit in the Construction Industry Sector under the Hong Kong Awards for Environmental Excellence 2014 , whilst the contractor of Tunnel (Slip Road 8 Section) Contract (Contract No.: HY/2010/08) received a Bronze award in the Outstanding Environmental Management and Performance Award under 21<sup>st</sup> Considerate Contractors Site Award jointly organized by Development Bureau and Construction Industry Council in May 2015. Noted

**6 Q&A**

6.1 Representative of Hong Kong & Kowloon Motor Boats & Tug Boats Association Limited (MBTBA) enquired whether the contractor's insurance would cover the damages to vessels moored in the CBTS caused by the contractor's works during typhoon season. Noted

AECOM stated that large works barges would leave CBTS when tropical cyclone warning signal was hoisted. If the vessels were damaged by the contractor's plant, third party insurance of the related contractors might handle relevant claim upon establishing liability. No such damage was recorded since the commencement of the project.

- 6.2 Dr. Jennifer Chow enquired whether the breakwaters of CBTS affected by the project were reinstated and about their condition. Noted

AECOM stated that the eastern breakwater needed to be reinstated under the project and the reinstatement was already completed. Representatives of the vessel owners had inspected the reinstated breakwater and found satisfactory.

- 6.3 Dr. Jennifer Chow enquired about the works progress of constructing Slip Road 8 and expressed her concern on the landscape and dust control of the works site in Victoria Park. Noted

AECOM stated that the construction of the tunnel structure was being carried out near the northern section of Victoria Park and the concerned TTA was being implemented. The works were anticipated to be completed at the end of 2016. Regarding the landscape and dust control, the contractor has implemented relevant environmental mitigation measures to reduce the impact to the vicinity.

- 6.4 Dr. Jennifer Chow further enquired about the works progress of the East Vent Shaft (EVS). Noted

AECOM stated that the EVS was constructed by the Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning Contract (Contract No.: HY/2011/08). The construction of superstructure was on-going and was anticipated to be completed in 2016.

- 6.5 Dr. Jennifer Chow further enquired about the works progress of the Shatin to Central Link. Noted

AECOM stated that the temporary reclamation and tunnel structure for the Shatin-to-Central Link at CBTS were completed under the project and the temporary reclamation area was handed-over to MTR. The remaining works of the Shatin-to-Central Link were managed by MTR.

- 6.6 Representative of Causeway Bay Typhoon Shelter Mutual Aid Committee (CBTS-MAC) enquired about the air emission of the EVS and the impact on the air quality in the vicinity. Noted

AECOM stated that the purified air would be dispersed towards the Victoria Harbour. Regarding the air quality, the air purification system (APS) was adopted for the first time in Hong Kong, to

ensure that the tunnel emission would meet the standard as stipulated in the Environmental Impact Assessment Report. AECOM also stated that since part of the road traffic would be diverted to the bypass tunnel, the air quality in the vicinity would be improved upon commissioning of the bypass.

- 6.7 Dr. Jennifer Chow suggested the project team to keep in contact with the representatives of Victoria Centre on reporting the works progress of the EVS. Dr. Jennifer Chow further enquired whether the air quality would be monitored upon completion of the EVS. Noted

AECOM stated that the contact with the representatives of Victoria Centre was on-going and the works progress of the EVS was regularly reported in the Community Liaison Group meetings for North Point district. ET stated that monitoring of the air quality would be conducted upon completion of the EVS to ensure the APS was working to the required standards.

## **7 Conclusion**

- 7.1 AECOM again brought members' attention to the various communication channels. They included the 24-hour hotline (2512 6233), email (enquiry@cw-b-hyd.hk), project website (www.cw-b-hyd.hk), Community Liaison Centres and Information Kiosk. Noted

- 7.2 For enquiries concerning works and environmental issues, members could contact SREs Ms. Lydia Lee and Mr. Eric Wong directly. Noted

## **8 AOB**

- 8.1 AECOM stated that members would be informed about the date of the next CLG meeting (i.e. meeting No.11) by letter in due course. Noted

The meeting was adjourned at 7:45pm.

- End of Notes -